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Datasheet for ABIN2732976

SUMO1 Protein (Transcript Variant 2)

1 Image

Overview

Quantity:	10 µg
Target:	SUMO1
Protein Characteristics:	Transcript Variant 2
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	Antibody Production (AbP), Standard (STD)

Product Details

Characteristics:	<ul style="list-style-type: none">• Recombinant human SUMO1 (transcript variant 2) protein expressed in E. coli.• Produced with end-sequenced ORF clone
Purity:	> 95 % as determined by SDS-PAGE and Coomassie blue staining
Endotoxin Level:	< 0.1 EU per µg protein as determined by LAL test

Target Details

Target:	SUMO1
Alternative Name:	Sumo1 (SUMO1 Products)
Background:	This gene encodes a protein that is a member of the SUMO (small ubiquitin-like modifier) protein family. It functions in a manner similar to ubiquitin in that it is bound to target proteins as part of a post-translational modification system. However, unlike ubiquitin which targets proteins for degradation, this protein is involved in a variety of cellular processes, such as

Target Details

nuclear transport, transcriptional regulation, apoptosis, and protein stability. It is not active until the last four amino acids of the carboxy-terminus have been cleaved off. Several pseudogenes have been reported for this gene. Alternate transcriptional splice variants encoding different isoforms have been characterized.

Molecular Weight: 13.7 kDa

NCBI Accession: [NP_001005781](#)

Pathways: [M Phase](#), [Positive Regulation of Endopeptidase Activity](#), [Protein targeting to Nucleus](#), [Ubiquitin Proteasome Pathway](#)

Application Details

Application Notes: Recombinant human proteins can be used for:
Native antigens for optimized antibody production
Positive controls in ELISA and other antibody assays

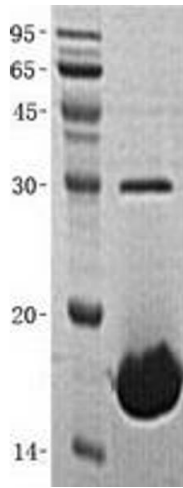
Restrictions: For Research Use only

Handling

Buffer: Lyophilized from a 0.2 µM filtered solution of 50 mM Tris-HCl, 100 mM NaCl, 1 mM DTT, pH 8.5.
Stable for at least 6 months from date of receipt under proper storage and handling conditions.

Storage: -80 °C

Storage Comment: Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.



Western Blotting

Image 1. Validation with Western Blot